UNITED STATES BROWNS MOUNTAIN QUADRANGLE DEPARTMENT OF THE INTERIOR MONTANA-ROSEBUD CO. GEOLOGICAL SURVEY 7.5 MINUTE SERIES (TOPOGRAPHIC) (BIRNEY DAY SCHOOL) 106°30′ 45°22′30″ 106°22′30″ 45°22′30″ R42E R43E 27'30" 25 OPEN-FILE REPORT This report has not been edited for confor-26 28 27 29 25 30 mity with U.S. Geological Survey editorial standards or stratigraphic nomenclature OPEN FILE REPORT 78-039 PLATE 5 OF 69 35 32 33 34 31 36 T. 5 S. T. 5 S. EXPLANATION T.65 STRUCTURE CONTOURS--Drawn on top of the coal bed. Dashed where projected beyond boundary of Reserve Base coal. Contour interval 20 feet (6.1 m). Datum is mean sea level. Hachures indicate a closed depression. BOUNDARY OF RESERVE BASE COAL--Drawn along the outcrop of coal bed or the contact between burned and 12 11 10 unburned coal where the coal bed is 5 feet (1.5 m) or more thick, and the 5-foot coal isopach. Arrows point toward area of Reserve Base coal. Number is altitude, in feet, of top of coal bed at triangle. To convert feet to meters, multiply feet by 0.3. 18 17 16 15 14 13 19 20 21 22 23 24 17'30" 27 26 25 28 29 31 33 32 T. 6 S. T. 7 S. 43670 45°15′ 106°30′ 45°15′ 106°22′30″ R. 43 E. R. 44 E. SCALE 1:24 000 Base from U.S. Geological Survey, 1966 Compiled in 1977 3000 MONTANA UTM GRID AND 1966 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

> COAL RESOURCE OCCURRENCE AND COAL DEVELOPMENT POTENTIAL MAPS OF THE BROWNS MOUNTAIN QUADRANGLE, ROSEBUD COUNTY, MONTANA

QUADRANGLE LOCATION